

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims

1. (Original) In a process for securing a structural element in the earth in which a cementitious mixture is placed in contact with said structural element, the improvement wherein said cementitious mixture comprises (a) class C fly ash or other waste product such as cement kiln dust that has cementitious properties; and (b) more granular industrial waste product comprising calcium, silica, and alumina components.

2. (Original) Process as recited in claim 1 wherein said industrial waste product (b) comprises a member selected from the group consisting of bottom ash, economizer ash, steel slag, blast furnace slag, and cement kiln dust and mixtures thereof.

3. (Original) Process as recited in claim 2 wherein said cementitious mixture comprises from about 5-50 wt % (a) based on the total weight of said cementitious mixture.

4. (Original) Process as recited in claim 3 wherein said industrial waste product (b) is cement kiln dust.

5. (Original) Process as recited in claim 3 wherein said industrial waste product (b) is either steel slag or blast furnace slag or mixtures thereof.

6. (Original) In a process for securing a structural element in the earth in which a cementitious mixture is placed in contact with said structural element the improvement wherein

said cementitious mixture comprises (a) class "C" fly ash; and (b) a member selected from the group consisting of bottom ash and economizer ash and mixtures thereof.

7. (Original) Process as recited in claim 6 wherein said cementitious mixture comprises from about 5-50 wt % (a) based on the total weight of said cementitious mixture.

8. (Original) Process as recited in claim 7 wherein said cementitious mixture comprises about 15-35 wt % (a) based on the total weight of said cementitious mixture.

9. (Original) Process as recited in claim 8 wherein said cementitious mixture is devoid of any additional cement or aggregate components.

10. (Original) Process as recited in claim 6 further comprising adding water to said cementitious mixture and allowing said mixture to harden.

11. (Original) Process as recited in claim 10 wherein said mixture comprises from about 15-35% class "C" fly ash and remainder bottom ash.

12. (Original) Process as recited in claim 11 wherein said structural element is a fence post.

13. (Original) Process as recited in claim 6 wherein said cementitious mixture consists of 100% coal combustion by-products.

14. (Withdrawn) Cementitious mixture for securing a fence post or the like in the earth, said composition comprising: (a) class C fly ash; and (b) an industrial waste product

comprising calcium, silica, and alumina components, said (a) being present in an amount of 5-50 wt % based on the total weight of said mixture.

15. (Withdrawn) Cementitious mixture for securing a fence post or the like in the earth, said composition comprising (a) class "C" fly ash; and (b) a member selected from the group consisting of bottom ash and economizer ash and mixtures thereof, said component (a) being present in an amount of 5-50 wt % based on the total weight of said mixture.

16. (Withdrawn) Cementitious mixture as recited in claim 15 wherein said component (a) is present in an amount of about 15-35 wt % based on the total weight of said mixture.

17. (Withdrawn) Cementitious mixture as recited in claim 16 wherein (b) comprises bottom ash and wherein said mixture consists of 100% coal combustion by-products.

18. (Withdrawn) Cementitious mixture as recited in claim 16 wherein (b) comprises bottom ash and wherein said cementitious mixture is devoid of any additional cement or aggregate components.

19. (Original) In a process for securing a structural element in the earth in which a cementitious mixture is placed in contact with said structural element, the improvement wherein said cementitious mixture comprises (a) class C fly ash; and (b) an industrial waste product comprising calcium, silica, and alumina components.